

LIST OF DOCUMENTS CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT: WENGEL et al.

FILING DATE:

September 11, 1998

GROUP:

OTHER DOCUMENTS (include author, title, name of publication, volume, pages and date of publication)

<i>M</i>	AA	Tarkoy et al., "31. Nucleic-Acid Analogues with Constr ^{ain} t Conformational Flexibility in the Sugar-Phosphate Backbone (Bicyclo-DNA)", <u>Chim. Acta</u> , 76:481-510, (1993)
<i>R</i>	AB	Tarkoy et al., "Synthesis and pairing Properties of Decanucleotides from (3'S,5'R)-2,Deoxy-3',5'-ethano-D-ribofuranosyladenine and -thymine***", <u>Angew. Chem. Int. Ed. Engl.</u> , 32 (10) 1432-1434, (1993)
<i>M</i>	AC	Egil et al., "Crystal Structure of a Parallel-Stranded Duplex of a Deoxycytidyl-(3'-5')-deoxycytidine Analogue Containing Intranucleosidyl C(3')-C(5') Ethylene Bridges", <u>American Chemical Society</u> , 115:5855-5856
<i>M</i>	AD	Tarkoy et al., "71. Nucleic-Acid Analogues with Restricted Conformational Flexibility in the Sugar-Phosphate Backbone ('Bicyclo-DNA')", <u>Helvetica Chimica Acta</u> , 77:716-745, (1994)
<i>M</i>	AE	Bolli et al., "Triple-Helix Formation of Oligodeoxynucleotides Containing [(3'S,5'R)-2' -Deoxy-3',5'-ethano-D-ribofuranosyl]nucleosides ("Bicyclo-deoxynucleosides")***", <u>Angew. Chem. Int. Ed. Engl.</u> , 34 (6) 694-696 (1995)
<i>R</i>	AF	Bolli et al., "157. Nucleic-Acid Analogs with Restricted Conforamntional Flexibility in the Sugar-Phosphate Backbone ('Bicyclo-DNA')", <u>Helvetica Chimica Acta</u> , 78:2077-2095, (1995)
<i>M</i>	AG	Litten et al., "Bicyclo-Oligonucleotides with Inverted Configuration at C(5'): Synthesis and Properties" <u>Bioorganic & Medicinal Chemisrty Letters</u> , 5 (12) 1231-1234, (1995)
<i>M</i>	AH	Litten et al., "99. Nucleic-Acid Analogs with Restricted Conformational Flexibility in Sugar-Phosphate Backbone ('Bicyclo-DNA')", <u>Helvetica Chimica Acta</u> , 79:1129-1147, (1996)
<i>M</i>	AI	Bolli et al., "Bicyclo-DNA: a Hoogsteen-selective pairing system", <u>Chemistry & Biology</u> , 3 (3) 197-207, (1996)
<i>M</i>	AJ	Bolli et al., "Watson-Crick base-pairing properties of bicyclo-DNA", <u>Nucleic Acids Research</u> 24 (23) 4660-4667, (1996)
<i>M</i>	AK	Altmann et al., "4',6-Methano Carbocyclic Thymidine: A Conformationally Constrained Building Block for Oligonucleotides", <u>Tetrahedron Letters</u> , 35 (15) 2331-2334, (1994)
<i>M</i>	AL	Altmann et al., "1',6'-Methano Carbocyclic Thymidine: Synthesis, X-ray Crystal Structure, and Effect on Nucleic Acid Duplex Stability", <u>Tetrahedron Letters</u> , 35 (41) 7625-7628, (1994)
<i>M</i>	AM	Marquez et al., "Nucleosides with a Twist. Can Fixed Forms of Sugar Ring Pucker Influence Biological Activity in Nucleosides and Oligonucleotides?", <u>J. Med. Chem.</u> , 39:3739-3747, (1996)
<i>M</i>	AN	Ezzitouni et al., "Conformationally locked carbocyclic nucleosides built on a bicyclo[3.1.0]hexane template with a fixed Southern conformation. Synthesis and antiviral activity", <u>J. Chem. Soc., Perkin Trans.</u> 1:1073-1078, (1997)

EXAMINER

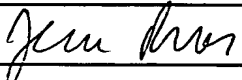
Jen Peng

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FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. WENGEL=8	SERIAL NO. 09/152,059
LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT: WENGEL et al.	
				FILING DATE: September 11, 1998	GROUP:
OTHER DOCUMENTS (include author, title, name of publication, volume, pages and date of publication)					
u	AO	Jones et al., "Oligonucleotides Containing a Covalent Conformationally Restricted Phosphodiester Analog for High-Affinity Triple Helix Formation: The Ribocetral Internucleotide Linkage", <u>J. Am. Chem. Soc.</u> , 115:9816-9817, (1993)			
u	AP	Wang et al., "The Synthesis and Binding Properties of Oligonucleotide Analogs Containing Diastereomerically Pure Conformationally Restricted Acetal Linkages", <u>Bioorganic & Medicinal Chemistry Letters</u> , 7 (2) 229-232 (1997)			
u	AQ	Yannopoulos et al., "2',3'-Cyclopropanated Nucleoside Dimers", <u>Synlett</u> , 378-380, (1997)			
u	AR	CHIMA, 36th IUPAC Congress, organized by Swiss Chemical Society. Poster no. SB-B\$: Steffens, R. and Leumann Ch. Tricyclo-DNA: synthesis, enzymatic stability, and pairing properties.			
u	AS	K.D. Neilsen, "Syntese og indbygning af 4'-C(hydroxymethyl)uridin i oligonucleotider", Master Thesis (Odense University, Denmark), 67-71, (1995)			
u	AT	Youssefyeh et al., "4'-Substituted Nucleosides. 4. Synthesis of Some 4'-Hydroxymethyl Nucleosides", <u>J. Org. Chem.</u> , 44 (8) 1301-1308, (1979)			
u	AU	Jones et al., "4'-Substituted Nucleosides. 5. Hydroxymethylation of Nucleoside 5'-Aldehydes" 44 (8) 1309-1317, (1979)			
u	AV	Yang et al., "Synthesis of 4'-Cyanothymidine and Analogs as Potent Inhibitors of HIV.", <u>Tetrahedron Letters</u> 33 (1) 37-40, (1992)			
u	AW	Thrane et al., "Novel Linear and Branched Oligodeoxynucleotide Analogues Containing 4'-C-(Hydroxymethyl) thymidine", <u>Tetrahedron Letters</u> , 51 (37) 10389-10402, (1995)			
u	AX	Nielsen et al., "Oligonucleotide Analogues Containing 4'-C-(Hydroxymethyl)uridine: Synthesis, Evaluation and Mass Spectrometric Analysis", <u>Bioorganic & Medicinal Chemistry</u> , 3 (11) 1493-1502, (1995)			
u	AY	Freier et al., "The ups and downs of nucleic acid duplex stability: structure-stability studies on chemically-modified DNA:RNA duplexes", <u>Nucleic Acids Research</u> , 25 (22) 4429-4443 (1997)			
u	AZ	Haly et al., "Conformationally Constrained DNA Mimics: Synthesis of a Novel Cyclopropyl-Amide Linked Dimer" <u>Synlett</u> , 687-689, (1996)			
u	BA	Zou et al., "Synthesis and Hybridization Properties of an Oligonucleotide Analog Containing a Glucose-derived Conformation-restricted Ribose Moiety and 2',5' Formacetal Linkages			
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M	BB	Piet Herdewijn, "Targeting RNA with Conformationally Restricted Oligonucleotides", <u>Liebigs Ann.</u> , 1337-1348 (1996)			
M	BC	Obika et al., "Stability and structural features of the duplexes containing nucleoside analogues with a fixed N-type conformation, 2'-O,4'-C-methylenribonucleosides", <u>Tetrahedron Letter</u> , 39:5401-5404, (1998)			
M	BD	Obika et al., "Synthesis of 2'-O,4'-C-Methyleneuridine and -cytidine. Novel Bicyclic Nucleosides Having a Fixed C -endo Sugar Puckering", <u>Tetrahedron Letters</u> , 38:8735-8738, (1997)			
M	BE	7th Antisense Symposium, November 21-22, 1997. Poster no. 32 and 33: Obika, D.N.; Morio, K. and Imanishi, T. Synthesis and properties of oligonucleotides containing novel bicyclic nucleosides with a fixed N-form sugar puckering.			
M	BF	CHIMA, 36th IUPAC Congress, organized by the Swiss Chemical Society. Poster no. SB-B12: Egger, A. and Leumann Ch. Designe, synthesis and properties of bicyclo [3.2.1]-amino nucleic acids. 1997			
M	BG	CHIMA, 36th IUPAC Congress, organized by the Swiss Chemical Society. Poster no. SB-B5: Epple, C. Ch., Pompizi I. and Leumann Ch. Bicyclo [3.2.1]-DNA: an oligonucleotide analogue with a conformationally preorganized phosphodiester backbone and flexible sugar-base linkage. 1997			
M	BH	06-10 September 1998: 13th International Round Table-Nucleoside, Nucleotides and their Biological Applications, Montpelleir: Oral Communication 1: Wang, G. and Gunic, E. "Conformationally Locked Nucleoside Analogs. Synthesis of 2'-Deoxy-2'C,4'-C-Bridged Bicyclic Nucleoside"			
M	BI	06-10 September 1998: 13th International Round Table - Nucleoside, Nucleotides and their Biological Applications, Montpelleir: Poster no. 288: Meldgaard, M. et al. "LNA (Locked Nucleic Acids): Synthesis and Thermal Denaturation Studies"			
M	BJ	06-10 September 1998: 13th International Round Table - Nucleotides and their Biological Applications Montpelleir: Poster no. 287 and Proceeding: Koshkin, A.A. et al. "Locked Nucleic Acids as synthetic RNA Mimics for Effective Complementary Recognition."			
M	BK	06-10 September 1998: 13th International Round Table - Nucleoside, Nucleotides and their Biological Applications, Montpelleir: Poster no.67: Nielsen, P. and Wengel, J. "A New Convergent Synthetic Approach Towards a-and-B-LNA (Locked Nucleic Acids)			
M	BL	8 October 1998: Antisense 98, Targeting the Molecular Basis of Disease: Poster no. 24: Havsteen, M. et al.: "LNA (Locked Nucleic Acids): A New Class of High Affinity Nucleic Acids With Prime Potential as Antisense and Antigene Agents.			
M	BM	21 January 1998: National Seminar on Perspectives in Interfacial Areas of Chemistry and Biology, Delhi university: Wengel, J. "LNA (Locked Nucleic Acids): Synthesis and High Affinity Nucleic Acid Recognition- Stop the Twisting."			
M	BN	27 Marts 1998: Workshop of Young European Bioorganic Chemists, Munchen: Wengel, J. "LNA (Locked Nucleic Acids): Synthesis and High Affinity Nucleic Acids Recognition - Stop the Twisting."			
M	BO	20 August 1998: Arsmoet for Center for Medicinsk Biotechnologi, KVL: Wengel, J. "LNA (Locked Nucleic Acids)"			
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








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	BP	08 September 1998: Meeting in Lund, Sweden: Jakobsen, M. H. "LNA (Locked Nucleic Acids): A New Class of High Affinity Nucleic Acids With Prime Potential as Antisense and Antigene Agents"
	BQ	Nielsen et al., "Synthesis of 2'-O,3'-C-linked bicyclic nucleosides and bicyclic oligonucleotides", <u>J. Chem Soc., Perkin Trans.</u> , 1:3423-3433, (1997)
	BR	Nielsen et al., "A novel class of conformationally restricted oligonucleotide analogues: synthesis of 2',3'-bridges monomers and RNA-selective hybridisation", <u>Chem Commun.</u> , 9:825-826, (1997)
	BS	Singh et al., "LNA (locked nucleic acids): synthesis and high-affinity nucleic acid recognition" <u>Chem Commun.</u> , 455-456, (1998)
	BT	Koshkin et al., "LNA (Locked Nucleic Acids): Synthesis of the Adenine, Cytosine, Guanine, 5-Methylcytosine Thymine and Uracil Bicyclonucleoside Monomers, Oligomerisation, and Unprecedented Nucleic Acids Recognition" <u>Tetrahedron</u> , 54:3607-3630, (1998)
	BU	Koshkin et al., "Novel Convenient Syntheses of LNA [2.2.1]Bicyclo Nucleosides", <u>Tetrahedron</u> , 39:4381-4384 (1998)
	BV	Singh et al., "Universality of LNA-mediated high-affinity nucleic acid recognition", <u>Chem. Commun.</u> , 1247-1248 (1998)
	BW	Singh et al., "Synthesis of Novel Bicyclo[2.2.1] Ribonucleosides: 2'-Amino- and 2'-Thio-LNA Monomeric Nucleosides", <u>J. Org. Chem.</u> , 63:6078-6079, (1998)
	BX	Christensen et al., "A Novel Class of Oligonucleotide Analogues Containing 2'-O,3'-C-Linked [3.2.0] Bicycloarabinonucleoside Monomers: Synthesis, Thermal Affinity Studies, and Molecular Modeling", <u>J. Am. Chem.</u> vol. 120, no. 22, 5458-5463, (1998)
	BY	Koshkin et al., "Synthesis of Novel 2',3'-Linked Bicyclic Thymine Ribonucleosides", <u>J. Org. Chem.</u> 63:2778-2781, (1998)
	BZ	Kumar et al., "The First Analogues of LNA (Locked Nucleic Acids): Phosphorothioate-LNA and 2'-Thio-LNA" <u>Bioorganic & Medicinal Chemistry Letters</u> , 8:2219-2222, (1998)

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